

Taiga Morishita
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Education:

Purdue University, Polytechnic Institute	2024 - Current
<ul style="list-style-type: none">• Majoring in Robotics Engineering Technology• 4.0 GPA• Two-Time Dean's List	
Newport High School	2020 - 2024
<ul style="list-style-type: none">• Graduated with Honors• AP Scholar with Distinction	

Work Experience:

Subaru Indiana Automotive — Body Manufacturing Engineering Intern	Summer 2025
<ul style="list-style-type: none">• In-Line Roof Measurement System<ul style="list-style-type: none">◦ Implemented a Keyence laser profiler system to measure and report roof channels◦ Programmed a Mitsubishi Q-Series PLC to communicate with data collection system• Updated ladder logic on over 100 Nachi robots to simplify dry runs• Assisted with Engineering projects and debugged failing systems	

Extracurricular Activities:

Purdue Baja Racing — Data Acquisition (DAQ) member	2024 - Current
<ul style="list-style-type: none">• Student-built, heavy-duty, competitive offroad racing• Designed hardware for and programmed ATmega32u4, ESP32, & STM32 in bare-IC form• Designed PCBs using Altium Designer for strain gages, temperature sensors, and encoders• Configured Raspberry Pi (Bash/Python) to use CANbus and WiFi access points	
Purdue Performance Collaborative	2025 - Current
<ul style="list-style-type: none">• Stage Manager<ul style="list-style-type: none">◦ Collaborate with directors, cast, and crew to build an engaging play	
FIRST Robotics Competition Team 948 - Newport Robotics Group	2020 - 2024
<ul style="list-style-type: none">• Systems VP<ul style="list-style-type: none">◦ Manage 20+ student subteam to create a robust, impact-resistant electrical system	
Newport High School Technical Theatre	2020 - 2024
<ul style="list-style-type: none">• Lighting Technician<ul style="list-style-type: none">◦ Quickly and consistently respond to cues◦ Troubleshoot issues on-the-fly using creative solutions	

Skills:

- CISCO Certified Network Associate (2023)
- Amazon Web Services Certified Cloud Practitioner (2024)
- Fluent in Japanese